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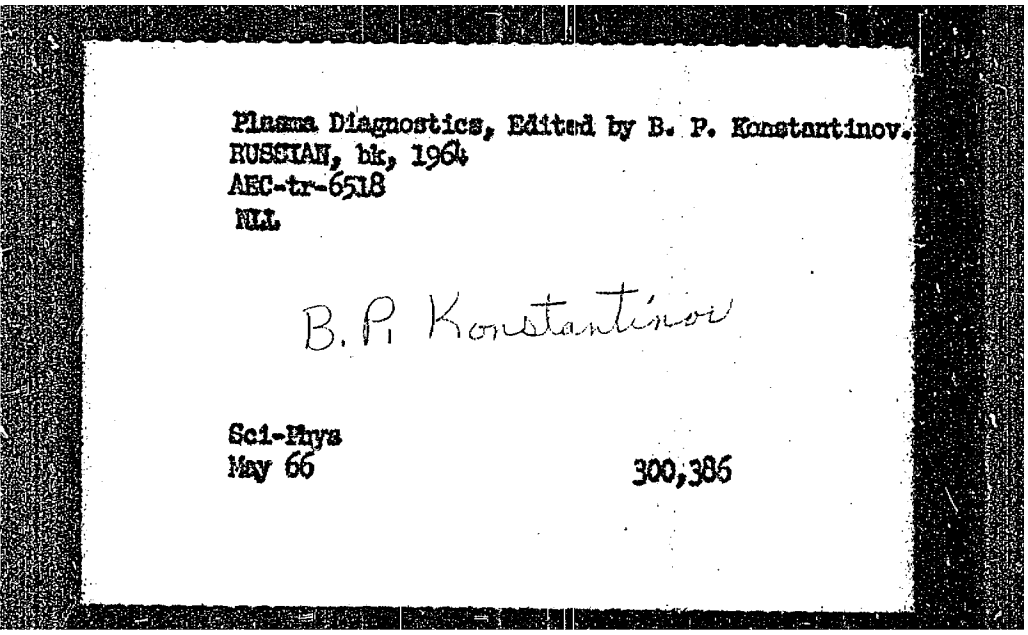

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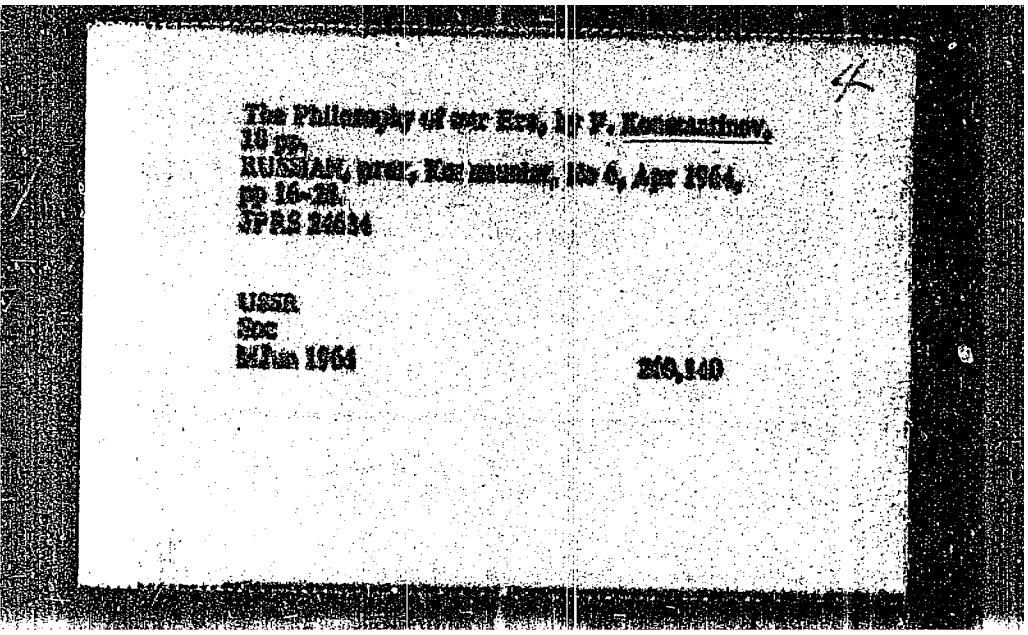

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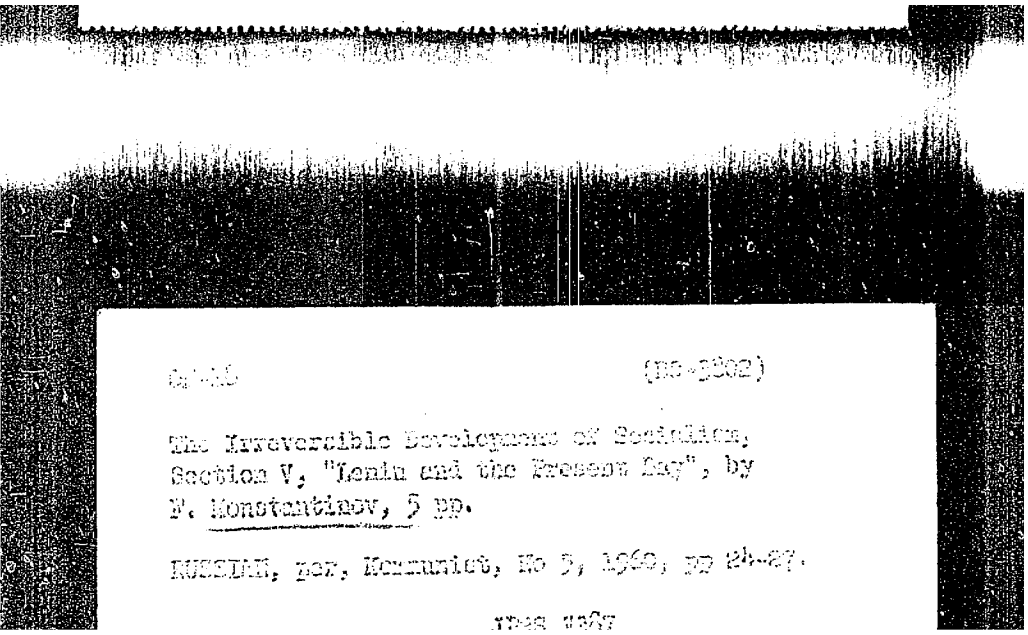

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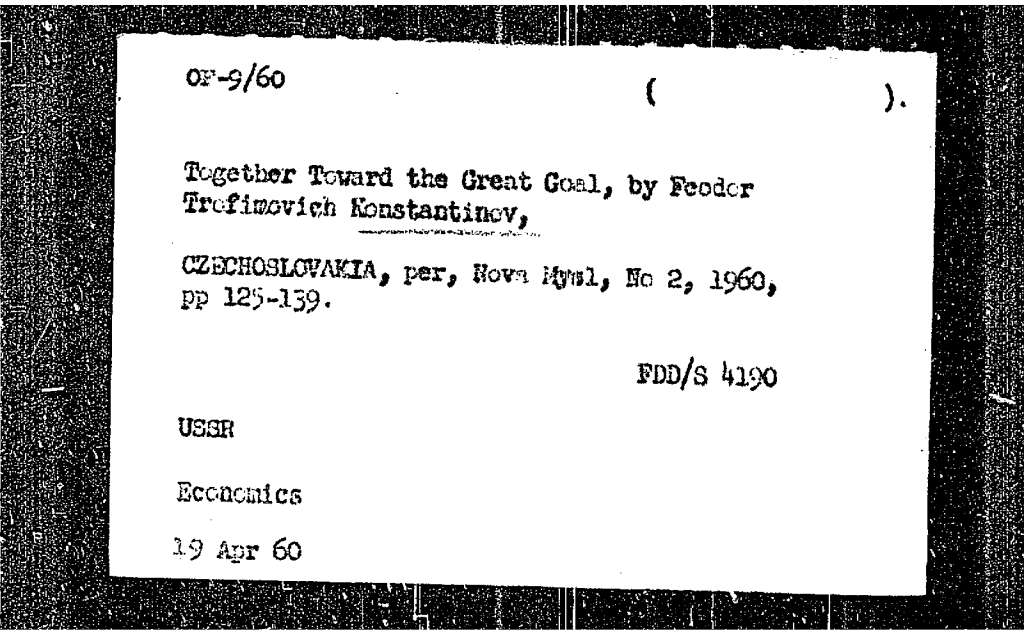

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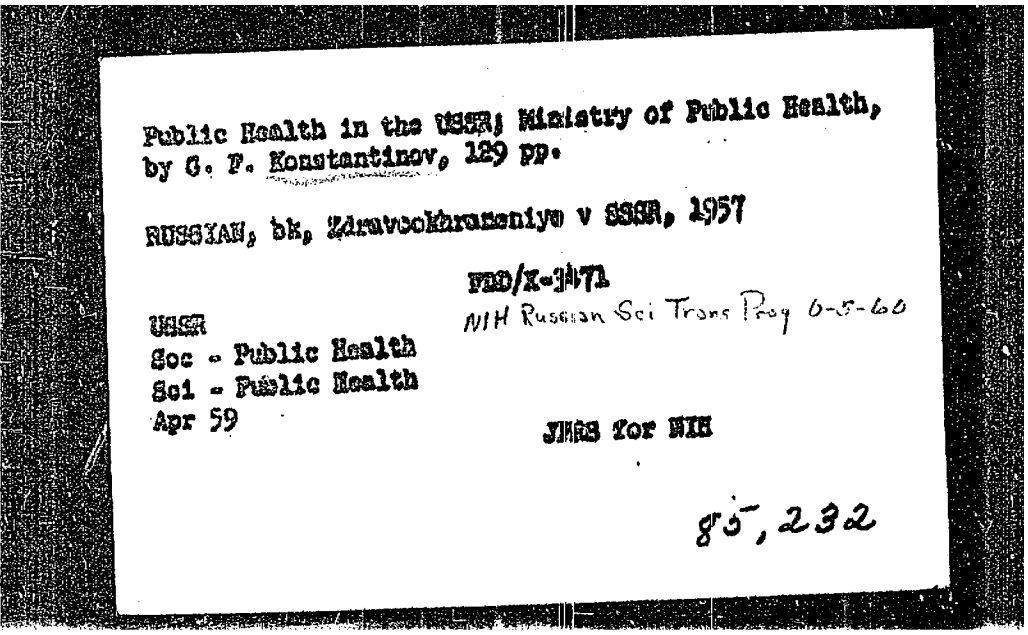

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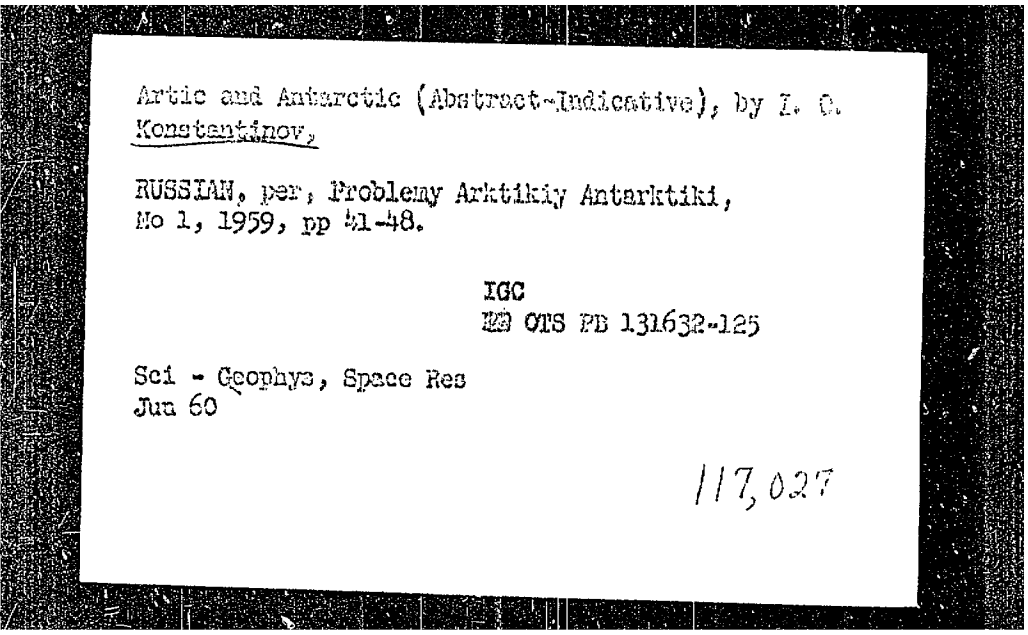

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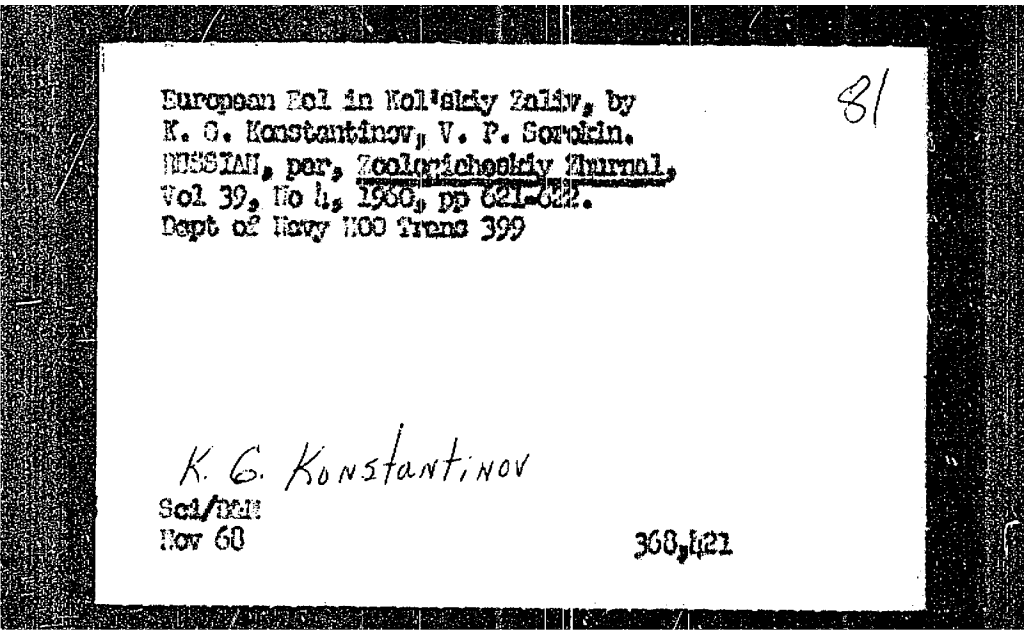

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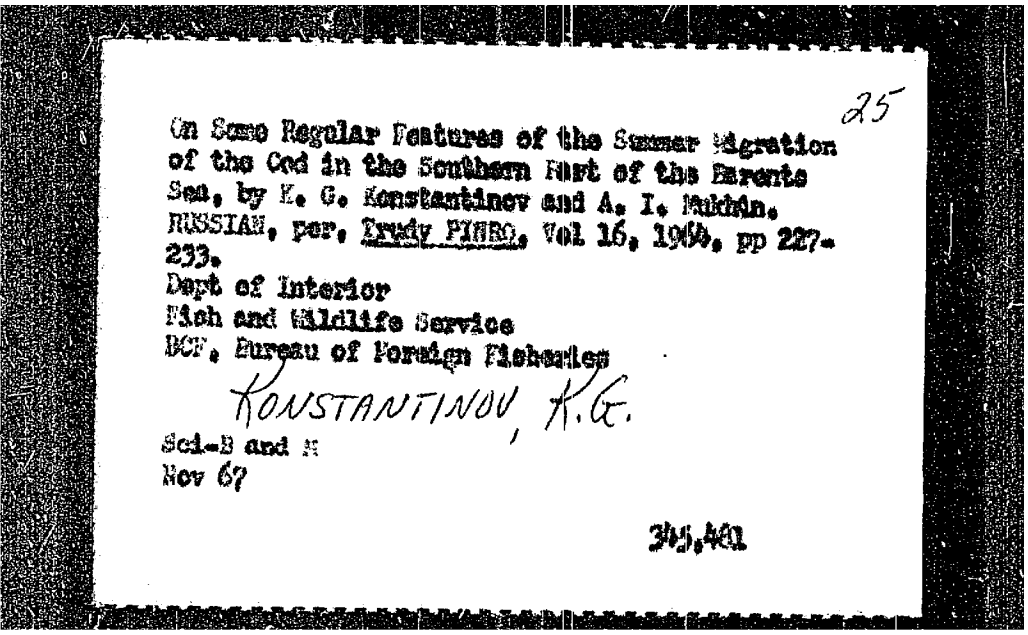

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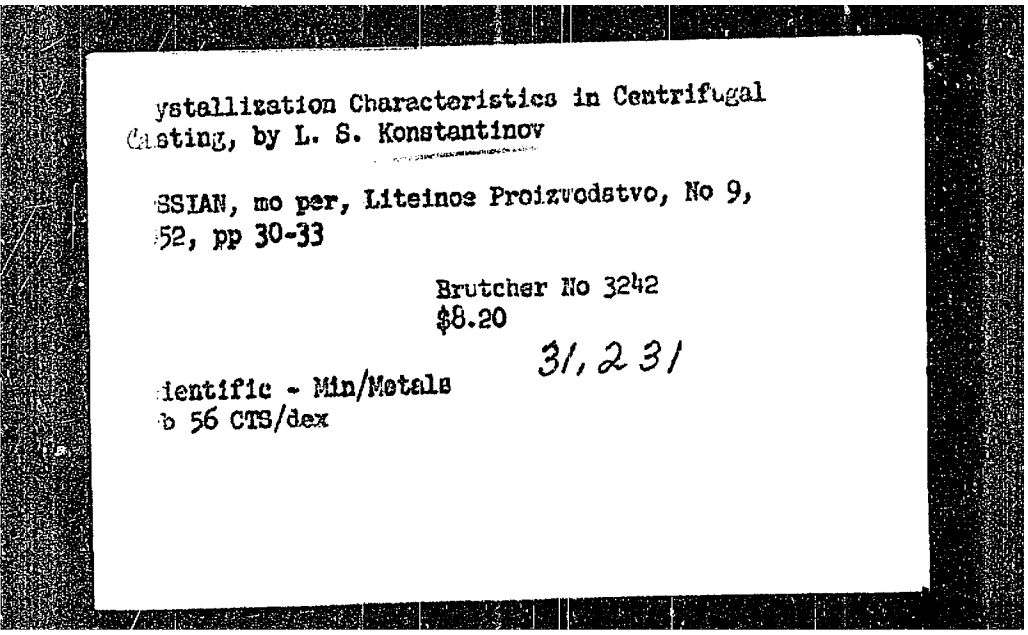

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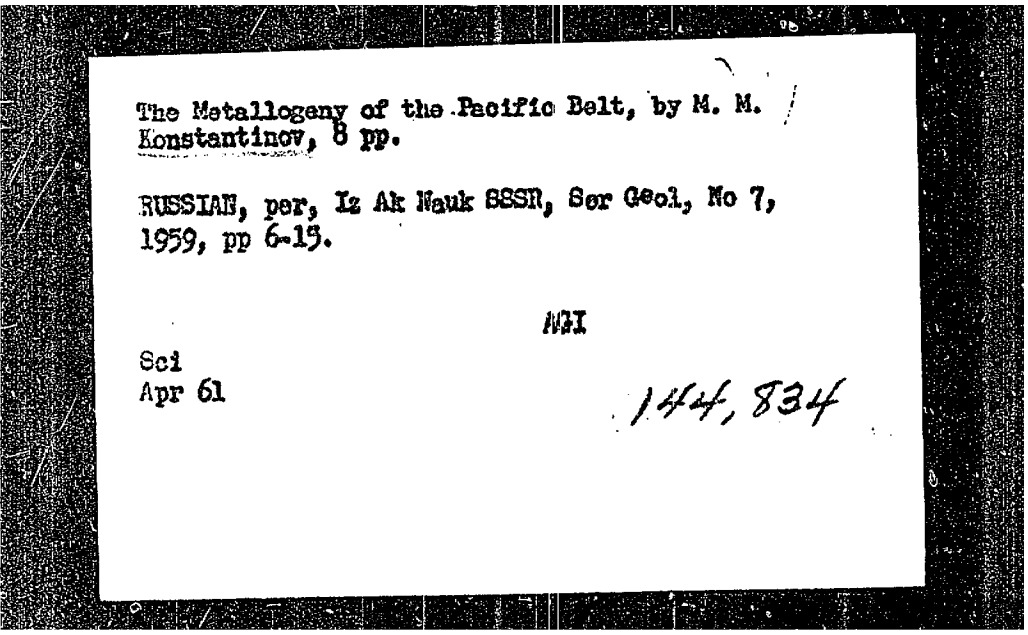

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Konstantinov, N. I.
COMPARATIVE INVESTIGATION OF THE FRICTIONAL STRESS ON THE SURFACE OF A BODY (Sravnitel'noye Issledovaniye Napryazheniya Treniya na Poverkhnosti Tela). Feb 61 [17]p. RTS-1500. Order from LC or SLA mi$2.40, ph$3.30 61-15906

Trans. of P[olitekhnicheskiy] I[nstitut], L[eningrad]. Trudy (USSR) 1955, no. 176, p. 201-213.

This paper describes preliminary results of tests on comparative measurements of surface friction in a turbulent boundary layer on an experimental plate with various longitudinal pressure distributions.

(Mechanics, TT, v. 5, no. 9)

61-15906

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2. Turbulent boundary layer--Friction
I. Konstantinov, N. I.
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THE MEASUREMENT OF FRICTION STRESS ON A SURFACE (K Voprosu ob Izmerenii Napryazheniye Treniya na Poverkhnosti). Oct 60 [11]p. RTS 1499. Order from LC or SLA mf$2.40, ph$3.30 61-15015

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A new manometric method for measuring friction stress on a surface is analyzed. This method is based on Dean's theoretical solution for the slow motion of a viscous liquid in the vicinity of a thin projecting blade normal to a boundary surface. The measuring instrument is in the form of a blade fixed to a flat base; it is extremely simple and can be used for making measurements in the field as well as in the laboratory. In addition to an analysis of the new methods, considerable space is devoted to the study of methods of measuring friction stress by means of surface tubes. (Author)

61-15015

1. Surfaces--Friction
2. Surfaces--Stresses
3. Manometers--Applications
I. Konstantinov, N. I.
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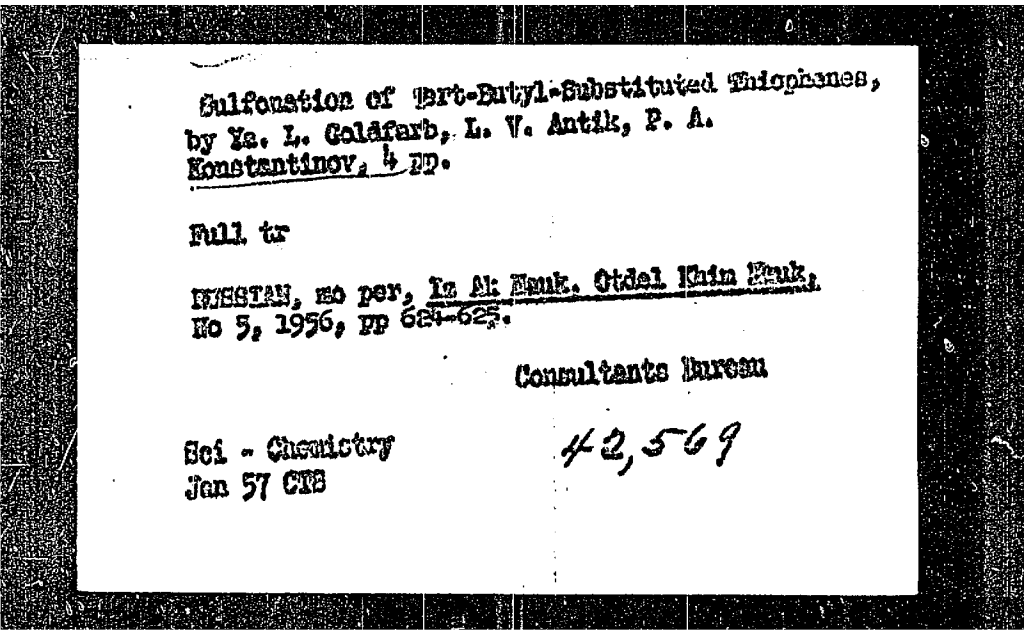

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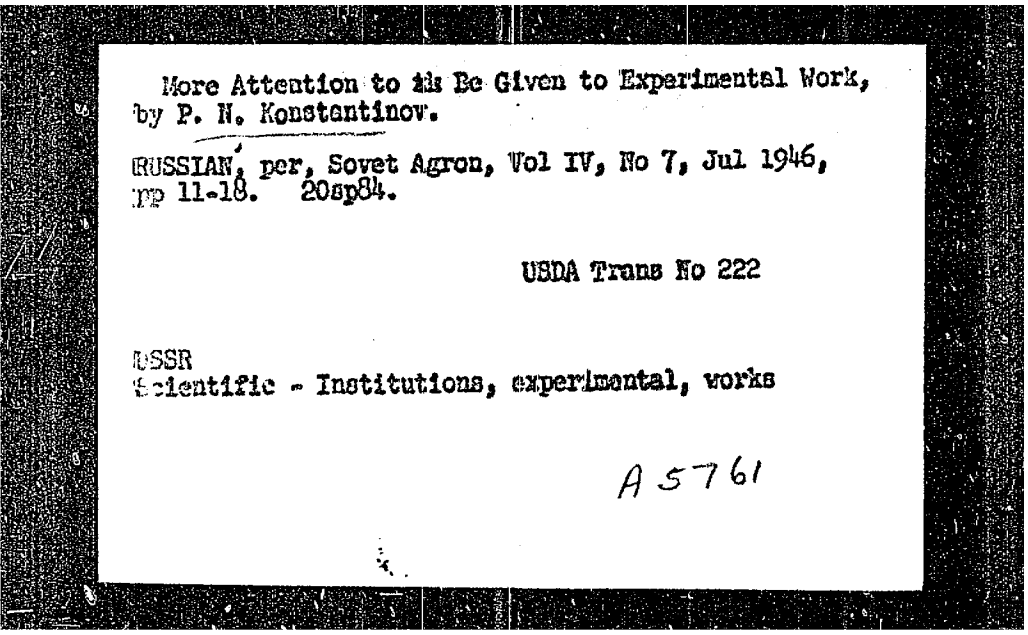

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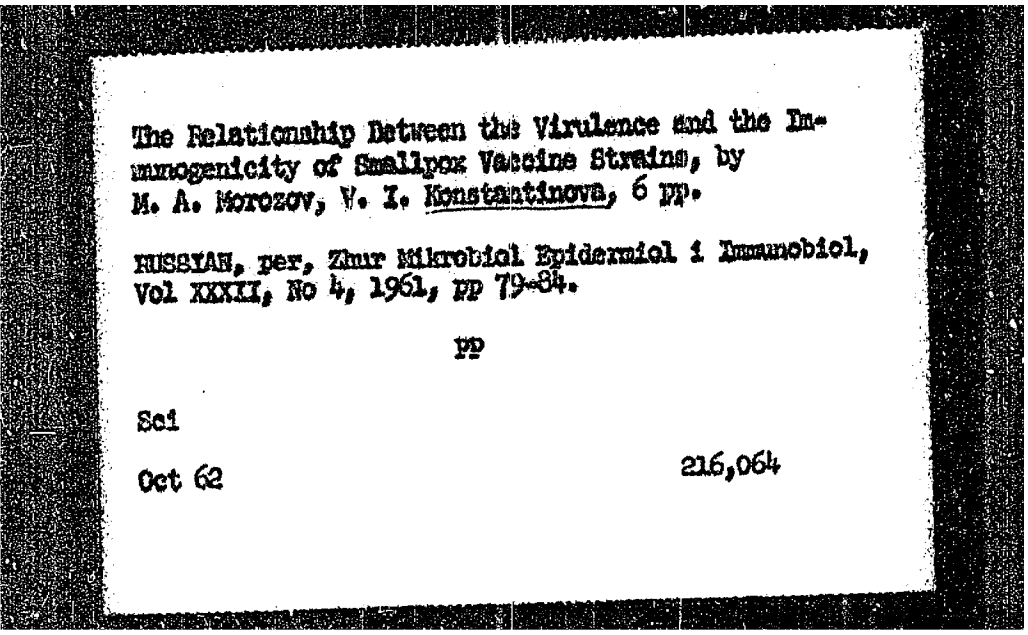

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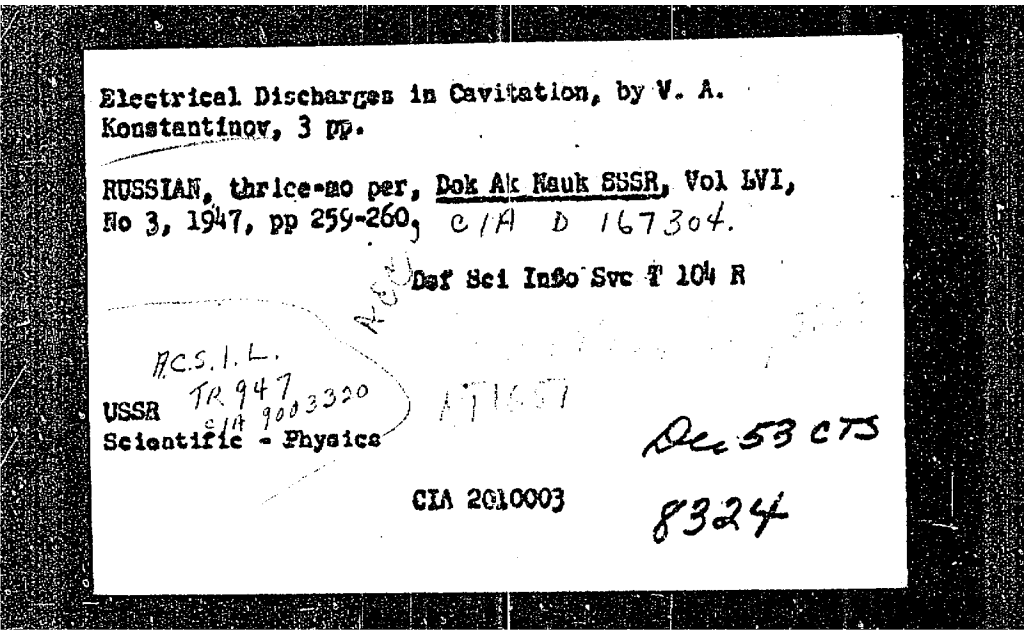

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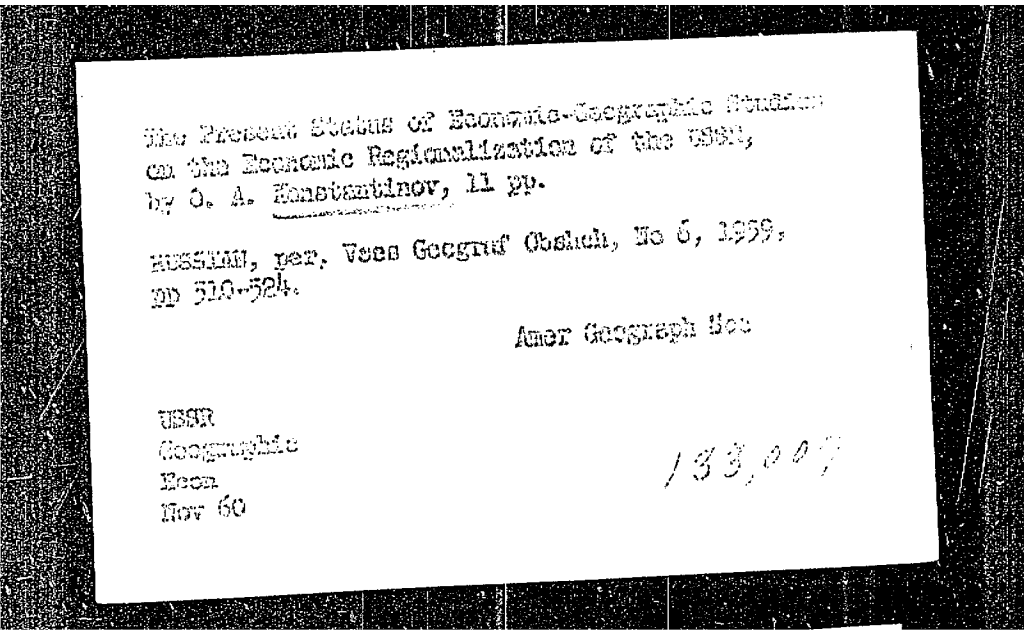

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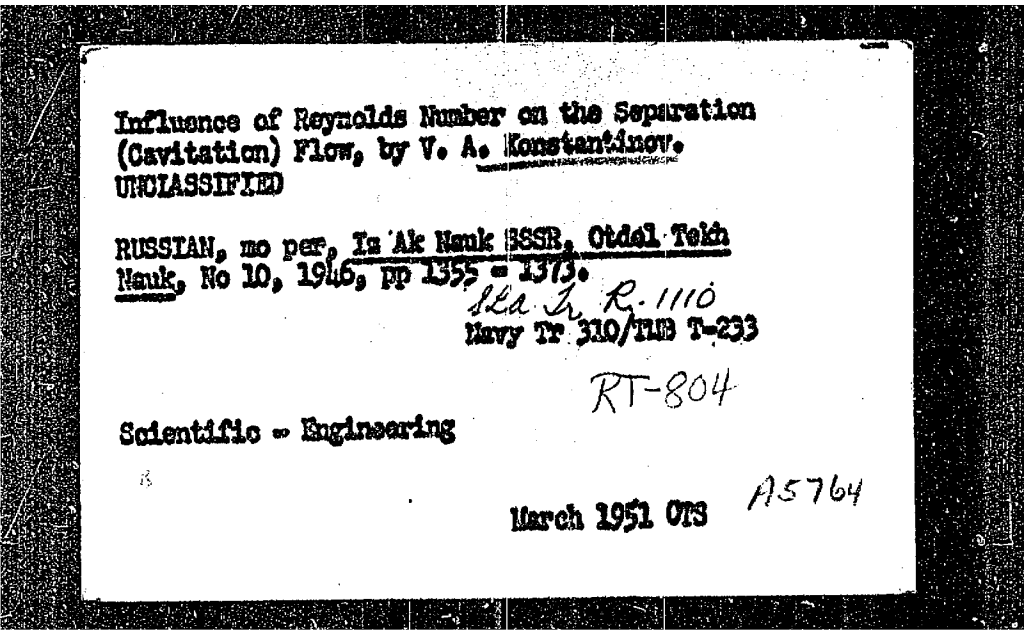

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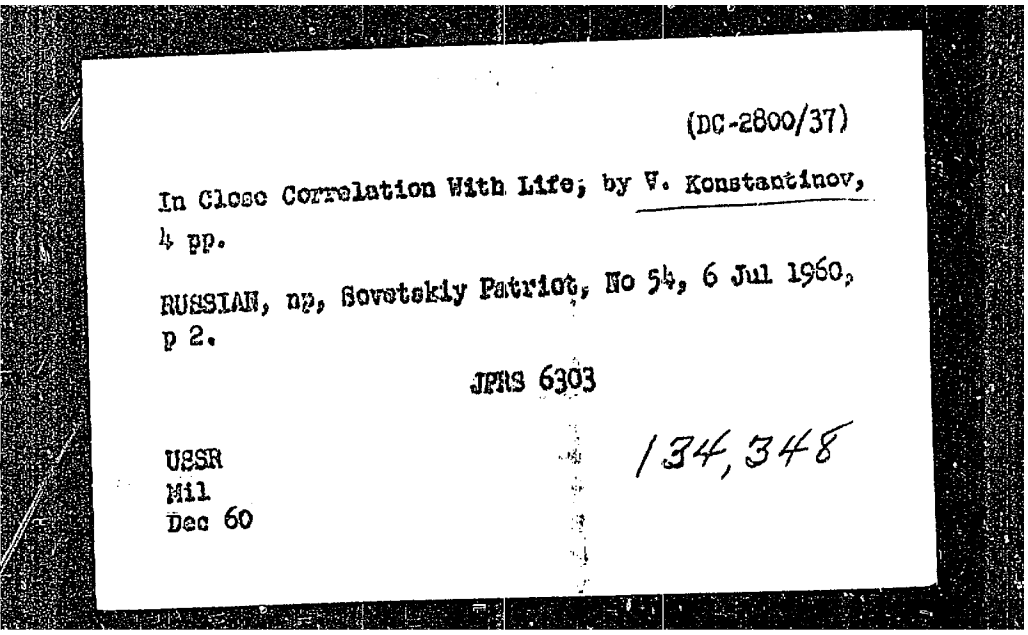

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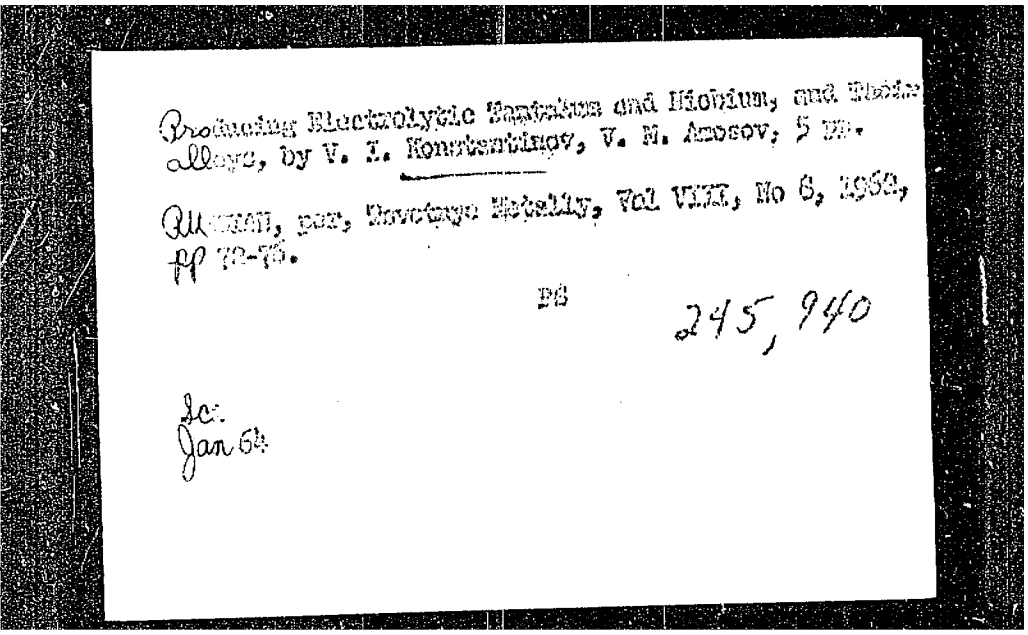

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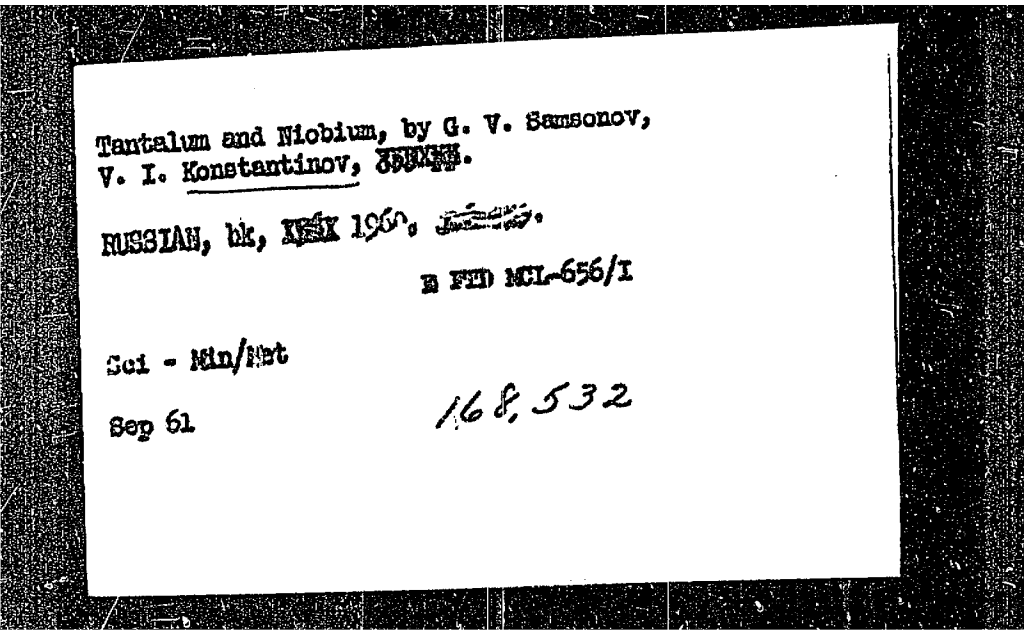

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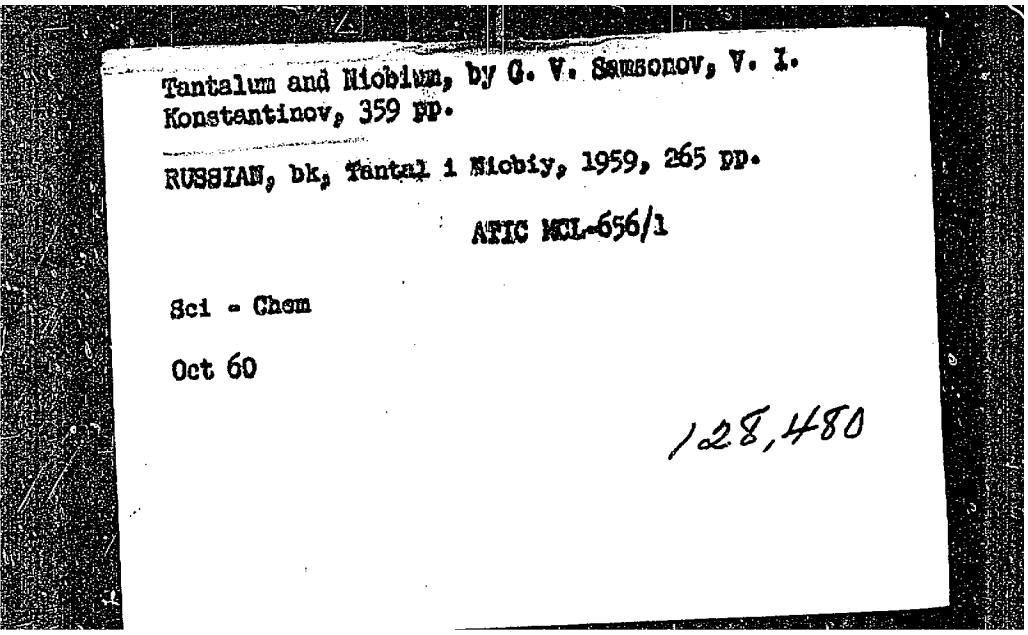

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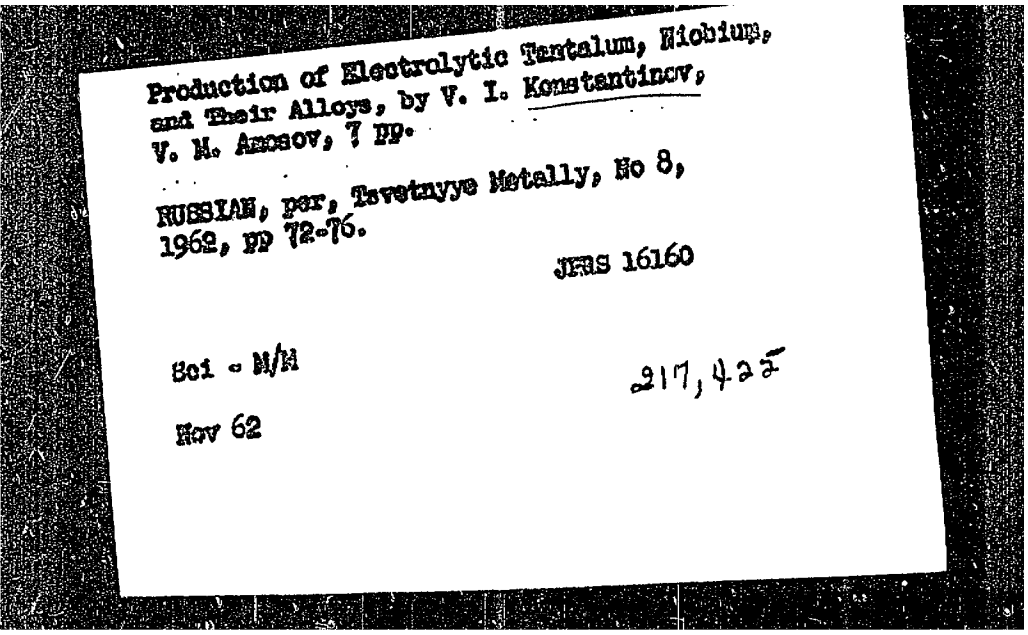

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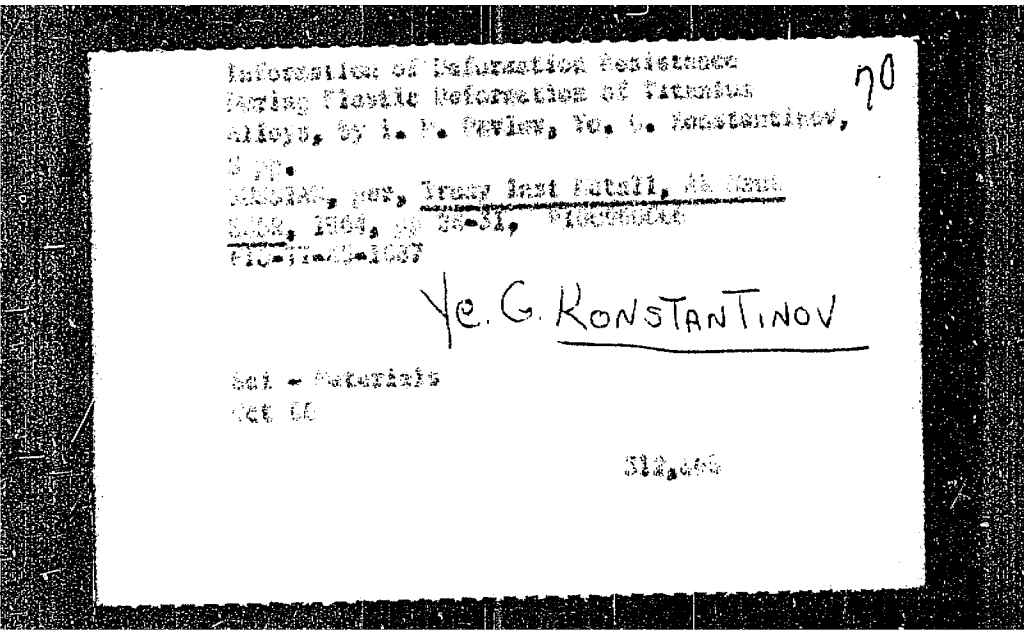

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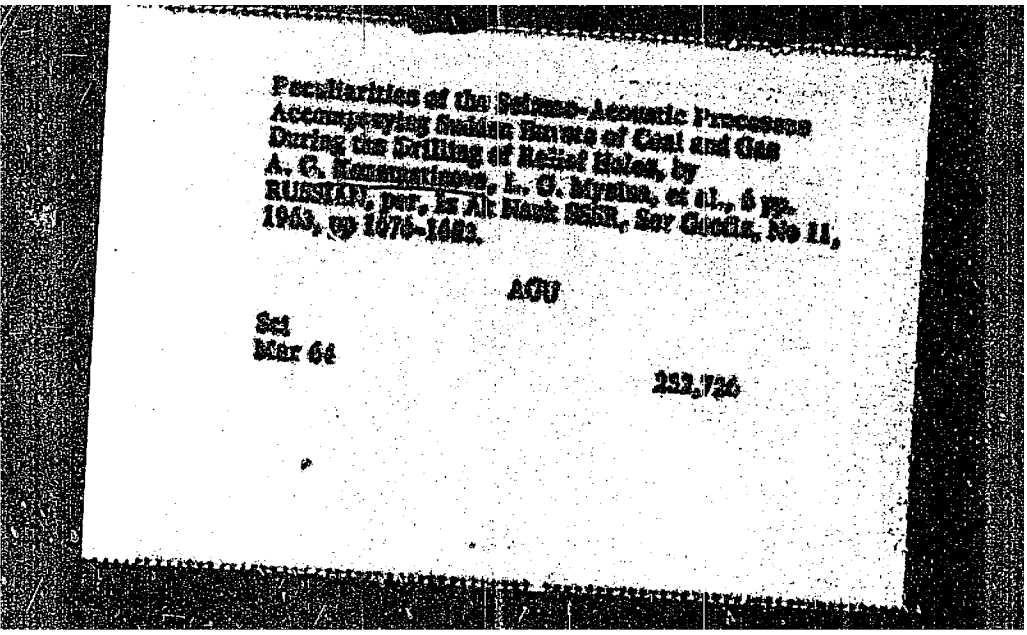

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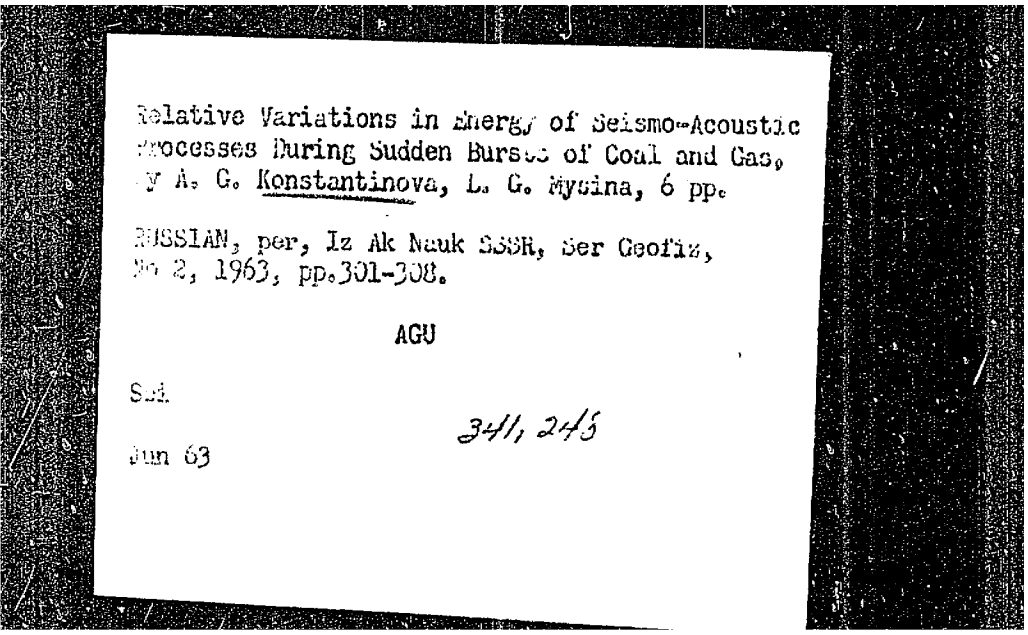

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